



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>IOWA, Northeast</u>									
Mitchell County Orchard	04	0125CST			0	0	0.50K	1K	Thunderstorm Wind (EG53)
Mitchell County Osage	04	0125CST			0	0	1.5K	0.75K	Thunderstorm Wind (EG55)
Floyd County Charles City	04	0130CST			0	0	2.5K	2K	Thunderstorm Wind (EG56)
Howard County Cresco	04	0150CST			0	0	2K	1.5K	Thunderstorm Wind (EG57)
Chickasaw County New Hampton	04	0152CST			0	0	0.75K	1.3K	Thunderstorm Wind (EG55)
Winneshiek County Ridgeway	04	0215CST			0	0	1.3K	1.5K	Thunderstorm Wind (EG54)
Winneshiek County 1 SW Ridgeway	04	0215CST			0	0	0.50K	1K	Thunderstorm Wind (EG52)
Winneshiek County 2 NE Bluffton	04	0218CST			0	0	1.5K	1K	Thunderstorm Wind (EG55)
Fayette County West Union	04	0224CST			0	0	0.50K	0.50K	Thunderstorm Wind (MG55)
Fayette County Clermont	04	0230CST			0	0	4.5K	1.5K	Thunderstorm Wind (EG55)
Allamakee County Waukon Jct	04	0240CST			0	0	0.75K	0.75K	Thunderstorm Wind (EG55)
Clayton County Littleport	04	0245CST			0	0	1.2K	1K	Thunderstorm Wind (EG52)
A fast moving line of thunderstorms produced the first significant severe weather event of the season. Law enforcement officials and spotters estimated winds gusting as high as 65 mph, which knocked down numerous trees and power lines. There was also damage to several corn and soybean fields.									
Clayton County Edgewood	05	0130CST			0	0			Thunderstorm Wind (EG50)
A cooperative weather observer reported large tree limbs were blown down as winds gusted to near 60 mph									
Floyd County Charles City	07	0110CST			0	0	0.75K		Thunderstorm Wind (EG50)
Howard County 4 SW Elma	07	0240CST			0	0		1.5K	Hail(0.75)
Howard County 4 SW Elma	07	0240CST			0	0		3.5K	Thunderstorm Wind (EG52)
Mitchell County 3 SE New Haven	07	0240CST			0	0		0.50K	Hail(0.75)
Mitchell County 3 SE New Haven	07	0240CST			0	0		2K	Thunderstorm Wind (EG52)
Chickasaw County 2 N New Hampton	07	0304CST			0	0			Hail(0.88)
Chickasaw County 2 SW New Hampton to 1 S New Hampton	07	0306CST 0312CST	2.5	50	0	0	20K	5K	Tornado (F0)



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<u>IOWA, Northeast</u>											
Chickasaw County											
1 N Fredricksburg	07	0312CST			0	0					Thunderstorm Wind (EG52)
Fayette County											
1 S Arlington	07	0313CST			0	0					Hail(0.75)
Clayton County											
Strawberry Pt	07	0320CST			0	0	1.5K				Thunderstorm Wind (EG52)
Fayette County											
3 NW Hawkeye	07	0320CST			0	0	1K	1.5K			Thunderstorm Wind (EG52)
A tornado hit a farm near New Hampton (Chickasaw County), demolishing a barn and damaging some trees. No livestock were in the barn, but three tractors and two combines were buried under debris. In addition, law enforcement officials reported dime and nickel size hail, as well as wind gusts estimated around 60 mph elsewhere across northeast Iowa.											
Howard County											
3 SW Schley	07	0230CST			0	0	7.5K				Lightning
Lightning hit a barn during the early morning hours, burning the structure to the ground. There were no livestock or farm machinery in the barn.											
Chickasaw County											
New Hampton	20	2004CST			0	0		0.75K			Hail(0.75)
Chickasaw County											
2 NE Fredricksburg	20	2020CST			0	0		0.80K			Hail(0.75)
Fayette County											
1 S Arlington	20	2045CST			0	0	1K	7.5K			Hail(1.00)
Fayette County											
1 S Arlington	20	2045CST			0	0		2K			Thunderstorm Wind (EG56)
Fayette County											
2 N Arlington	20	2048CST			0	0		0.75K			Hail(0.88)
Clayton County											
2 SW Volga	20	2102CST			0	0		1.5K			Hail(0.88)
Fayette County											
9 NW Oelwein	20	2103CST			0	0					Thunderstorm Wind (EG56)
Hail the size of dimes, nickels and quarters was reported by law enforcement officials and spotters. Wind gusts were also estimated at around 65 mph.											
Chickasaw County											
5 W Alta Vista	31	1438CST			0	0		4K			Hail(1.75)
Chickasaw County											
5 W Alta Vista	31	1443CST			0	0		2.5K			Hail(1.00)
Chickasaw County											
5 W Alta Vista	31	1450CST			0	0	2K	5K			Hail(1.50)
Howard County											
Elma	31	1450CST			0	0	1.3K	2K			Hail(1.75)
Howard County											
Cresco	31	1451CST			0	0		2.5K			Hail(1.00)
Howard County											
Cresco	31	1457CST			0	0					Hail(0.75)
Winneshiek County											
2 SW Kendallville	31	1504CST			0	0		2.5K			Hail(1.00)
Howard County											
6 W Chester	31	1800CST			0	0		2K			Hail(1.25)



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					Killed	Injured	Property Crops	

IOWA, Northeast

Howard County								
2 N Cresco	31	1823CST			0	0	1K 3.5K	Hail(1.00)
Winneshiek County								
Kendallville	31	1828CST			0	0		Hail(0.75)
Howard County								
Cresco	31	1830CST			0	0	0.80K	Hail(0.88)
Winneshiek County								
1 W Ridgeway	31	1920CST			0	0	2.5K	Hail(1.00)
Winneshiek County								
Kendallville	31	1954CST			0	0	1.2K	Hail(0.88)
Winneshiek County								
2 NE Kendallville	31	1955CST			0	0	2K 4K	Hail(1.00)
Chickasaw County								
Bassett	31	2030CST			0	0		Hail(0.75)
Floyd County								
Charles City	31	2034CST			0	0	2.5K	Hail(1.00)

Numerous reports of large hail were received from storm spotters, amateur radio operators, law enforcement officials and the general public. Hail ranged in size from dimes to golf balls and ping-pong balls. Several farmers reported severe hail damage to corn and soybean fields. There were also several vehicles damaged by the large hail

MINNESOTA, Southeast

Mower County								
Waltham	04	0145CST			0	0	0.65K 0.75K	Thunderstorm Wind (MG52)
Dodge County								
Hayfield	04	0155CST			0	0	1.5K 1K	Thunderstorm Wind (EG54)
Fillmore County								
Spring Vly	04	0207CST			0	0	0.75K 0.75K	Thunderstorm Wind (EG53)
Olmsted County								
Byron	04	0210CST			0	0	2.5K 1K	Thunderstorm Wind (EG55)
Winona County								
2 N Altura	04	0230CST			0	0	0.50K 0.50K	Thunderstorm Wind (EG54)
Houston County								
Spring Grove	04	0235CST			0	0	1.3K 0.75K	Thunderstorm Wind (EG53)
Wabasha County								
Jarretts	04	0238CST			0	0	0.25K 0.50K	Thunderstorm Wind (EG52)
Houston County								
Eitzen	04	0240CST			0	0	1K 0.75K	Thunderstorm Wind (EG54)
Wabasha County								
Plainview	04	0240CST			0	0	0.75K 0.50K	Thunderstorm Wind (EG52)
Houston County								
La Crescent	04	0305CST			0	0	2K 0.50K	Thunderstorm Wind (EG55)

A line of fast moving thunderstorms produced the first significant severe weather event of the season. Spotters and law enforcement officials reported wind gusts of 60 to 65 mph, which knocked down numerous trees and power lines, as well as damaged some crops.

Mower County								
Austin	07	0157CST			0	0		Hail(0.75)



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MINNESOTA, Southeast

Amateur radio operators reported dime size hail on the west side of Austin.

Mower County									
Brownsdale	31	1600CST			0	0	2.5K	2.5K	Hail(1.50)
Winona County									
Altura	31	1623CST			0	0			Hail(0.75)
Winona County									
Altura	31	1627CST			0	0	1.5K		Hail(1.00)
Mower County									
Dexter	31	1630CST			0	0	1.5K	2K	Hail(1.25)
Wabasha County									
Plainview	31	1739CST			0	0	1.3K		Hail(1.00)
Wabasha County									
Plainview to 5 NW Plainview	31	1745CST 1800CST			0	0		3.5K	Hail(1.00)

Hail ranging in size from dimes and pennies to as large as ping-pong balls was reported by law enforcement officials, amateur radio operators, storm spotters and the general public.

WISCONSIN, Southwest

Vernon County									
Stoddard	04	0305CST			0	0	1.8K	0.50K	Thunderstorm Wind (EG54)
La Crosse County									
6 S La Crosse	04	0315CST			0	1	2.8K	1.5K	Thunderstorm Wind (EG55)
La Crosse County									
(Lse)La Crosse Muni	04	0318CST			0	0	1K		Thunderstorm Wind (MG57)
La Crosse County									
La Crosse	04	0318CST			0	0	3.5K	0.75K	Thunderstorm Wind (EG55)
Trempealeau County									
Trempealeau	04	0318CST			0	0	1.5K	0.75K	Thunderstorm Wind (EG54)
Vernon County									
Viroqua	04	0318CST			0	0	2K	1.5K	Thunderstorm Wind (EG53)
La Crosse County									
Onalaska	04	0320CST			0	0	1K	1.5K	Thunderstorm Wind (EG52)
Vernon County									
Westby	04	0320CST			0	0	0.75K	2K	Thunderstorm Wind (EG54)
La Crosse County									
West Salem	04	0325CST			0	0	1K	0.50K	Thunderstorm Wind (EG53)
Trempealeau County									
Blair	04	0325CST			0	0	1.3K	0.75K	Thunderstorm Wind (EG51)
Richland County									
Richland Center	04	0340CST			0	0	1.5K	1.5K	Thunderstorm Wind (EG55)
Monroe County									
Sparta	04	0342CST			0	0	0.50K	0.75K	Thunderstorm Wind (EG52)
Grant County									
Livingston	04	0344CST			0	0	0.75K	1.3K	Hail(1.00)
Monroe County									
Sparta	04	0345CST			0	0	0.50K		Thunderstorm Wind (EG50)
Monroe County									
1 W Sparta	04	0349CST			0	0			Hail(0.75)



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WISCONSIN, Southwest

Monroe County Sparta	04	0350CST			0	0	0.50K	Thunderstorm Wind (EG52)
Monroe County 2 S Tomah	04	0357CST			0	0	0.75K	Thunderstorm Wind (EG52)
Juneau County Mauston	04	0410CST			0	0	1K	Thunderstorm Wind (EG50)
Juneau County New Lisbon	04	0410CST			0	0	2K	Thunderstorm Wind (EG55)
Adams County Strongs Prairie	04	0425CST			0	0	0.75K	Thunderstorm Wind (EG54)
Adams County Easton	04	0430CST			0	0	0.25K	Thunderstorm Wind (EG52)
Adams County Friendship	04	0430CST			0	0	1K	Thunderstorm Wind (EG53)
Adams County Easton	04	0530CST			0	0	15K	Thunderstorm Wind (EG55)

A fast moving line of thunderstorms produced the first significant severe weather event of the season. There were numerous reports of trees and power lines down. Spotters and law enforcement officials estimated wind gusts of 60 to 65 mph, while a measured gust of 66 mph was recorded at the La Crosse Municipal Airport (LSE). At a campground just south of La Crosse (La Crosse County), a man was injured when a large limb fell on the tent he was sleeping in.

Vernon County 4 NE De Soto	31	1123CST			0	0		Hail(0.75)
Vernon County 4 NE De Soto	31	1123CST			0	0		Thunderstorm Wind (EG50)
Vernon County De Soto	31	1135CST			0	0		Hail(0.75)
Vernon County De Soto	31	1135CST			0	0		Thunderstorm Wind (EG52)
Crawford County Rising Sun	31	1153CST			0	0		Hail(0.75)
Crawford County Gays Mills	31	1205CST			0	0		Hail(0.75)
Crawford County Gays Mills	31	1205CST			0	0	0.50K	Thunderstorm Wind (EG52)
Crawford County Soldiers Grove	31	1207CST			0	0		Hail(0.75)
Richland County Travera	31	1215CST			0	0		Hail(0.75)
Grant County Muscoda	31	1243CST			0	0	0.75K	Thunderstorm Wind (EG53)

Hail the size of pennies and wind gusts estimated around 60 mph were reported by amateur radio operators, the public and law enforcement officials.

Clark County 2 SW Christie	31	1740CST			0	0		Hail(0.75)
Clark County 2 SW Christie	31	1743CST			0	0	2K	Hail(1.25)



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WISCONSIN, Southwest

Buffalo County

1 S Mondovi

31

1856CST

0

0

1K

Hail(1.00)

Law enforcement officials, storm spotters and the general public reported hail ranging in size from dimes to as large as half dollars